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INSTITUTIONAL VISION

To be part of universal human quest for development and progress by contributing high calibre, ethical and socially responsible engineers who meet the global challenge of building modern society in harmony with nature.

INSTITUTIONAL MISSION

- i. To attain excellence in imparting technical education from the undergraduate through doctorate levels by adopting coherent and judiciously coordinated curricular and co-curricular programs.*
- ii. To foster partnership with industry and government agencies through collaborative research and consultancy*
- iii. To nurture and strengthen auxiliary soft skills for overall development and improved employability in a multi-cultural work space*
- iv. To develop scientific temper and spirit of enquiry in order to harness the latent innovative talents*
- v. To develop constructive attitude in students towards the task of nation building and empower them to become future leaders*
- vi. To nourish the entrepreneurial instincts of the students and hone their business acumen.*
- vii. To involve the students and the faculty in solving local community problems through economical and sustainable solutions.*

DEPARTMENT VISION

To create a ambiance of academics, excellence through state of art infrastructure and learner-centric pedagogy to employability in multi-disciplinary fields.

DEPARTMENT MISSION

Fostering a bright technological future by enabling the students to function as leaders in software industry and serve as means of transformation to empower society through ITes.

PROGRAMME EDUCATIONAL OBJECTIVES

- i. Graduates will demonstrate technical competence and leadership in their chosen fields of employment by identifying, formulating, analyzing and creating efficient IT solutions.*
- ii. Graduates will be successful as software engineers, academicians, researchers, and administrators appropriate to their background, interest and education.*
- iii. Graduates will communicate effectively as individuals or team members and be successful in varied working environment.*
- iv. Graduates will demonstrate lifelong learning through continuing education and professional development*
- v. Graduates will be successful in providing viable and sustainable solutions within societal, professional, environmental and ethical context.*

PROGRAMME OUTCOMES

- i. Apply knowledge of computing, mathematics, science and IT engineering fundamentals for solution of complex problems.*
- ii. Analyze a problem, and identify and formulate the requirements appropriate to its solution.*
- iii. Design and implement a computer-based system, process, component, or program to meet the needs with appropriate consideration for public health and safety, cultural, societal and environmental. Considerations.*
- iv. Use research - based knowledge and research methods to derive valid conclusions for complex problems.*
- v. Use current techniques and modern tools necessary for computing practice i.e. for presentation and report.*
- vi. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional IT practice.*
- vii. Examine the impact of professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of and need of sustainable development.*
- viii. Understand professional, ethical, legal, security and social issues and responsibilities.*
- ix. Function effectively individually and on teams, including diverse and multidisciplinary, to accomplish a common goal.*
- x. Communicate effectively with a range of audiences in various formats.*
- xi. Recognize and engage in continuous professional development.*
- xii. An ability to understand engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects.*

ARTICLE ON

MINING SOFTWARE REPOSITORIES

Mining Software Repositories (MSR) is a technique used in the field of software engineering (SE) focused on analyzing and understanding the data repositories related to a software development project. The main goal of MSR is to make intelligent use of these software repositories to help in the decision process of the software project. MSR field analyzes the rich data available in software repositories to uncover interesting and actionable information about software systems and projects.

Specific examples of successes in MSR include predicting the locations of bugs in source code, discovering traceability links between requirements documents and source code, indexing the repositories to provide instant search functionality to project stakeholders, and inferring the social network of developers based on email communication patterns

Software repositories such as source control systems, archived communications between project personnel, and defect tracking systems are used to help manage the progress of software projects. Software practitioners and researchers are recognizing the benefits of mining this information to support the maintenance of software systems, improve software design/reuse, and empirically validate novel ideas and techniques. Research is now proceeding to uncover the ways in which mining these repositories can help to understand software development and software evolution, to support predictions about software development, and to exploit this knowledge.

MSR research focuses primarily on two aspects:

1. The creation of techniques to automate and improve the extraction of information from repositories.
2. The discovery and validation of novel techniques and approaches to mine important information from these repositories.

Examples of Software Repositories:

Source control repositories, Bug repositories, Archived communications, Deployment logs, Code repositories etc.

DEPARTMENTAL ACTIVITIES

Department of IT has initiated Guest Lectures and Industry Institute Interactions in the academic curriculum to fill the gap between the industry and academia. These interactions are conducted as a part of the syllabus or as a part of content beyond syllabus which helps the students to understand the working of the industry. During the semester many such guest lectures and Industry Institute Interactions were conducted.

1. Seminar on “Cyber Security” for B.E III/IV & IV/IV I-Semester students was conducted on 6th AUG, 2015. The Resource person for this lecture was Mr. Sandeep Mudalkar, CEO & Founder, Sytech Labs, Hyderabad. The lecture focused on the importance of Ethical hacking, Information Gathering, System & Windows Hacking, Tracking E-mails & investigating E-mail crimes, Mobile hacking & spy, Social networking websites hacking & security polices, Cyber Crime Investigation: deleting fake profiles, tracking criminals online were covered.



2. An Industry Institute Interaction Program was conducted on 31st Oct, 2015 for III Year students on Software Engineering- Risk Management & Software Process Improvement by Mr. Khayyum sami –Project Manager IBM. The seminar was conducted as a part of syllabus to make the Students understand the real world scenario.



3. An Industry Institute Interaction Programme was conducted on 31st Oct, 2015 for III Year students on Operating System – OS Security by Abbad Ur Rahman Talha, Corporate Trainer & Consultant ICT Lead in Smart City Development Project Govt of India.



FACULTY ACHIEVEMENTS

1. Dr. Uma. N. Dulhare, Prof. ITD has been awarded the Best Academic Researcher -2015 award by ASDF.

PAPERS PUBLISHED

1. N Md jubair Basha, Assessment of reusability levels on domain specific components using heuristics function, Springer AISC series, Aug 2015

2. Asia Sultana, Sayyada Hajera Begum, A survey on c;uster based routing protocols in WSN, IJMTER, Aug-2015.

3. Md. Riyazuddin, Shaik rasool, Syed Azar Ali, Privacy preserving data mining analysis, OSN, Dec-2015.

4. Arif Hussain, M.A. wajid, Afshan Kaleem, Content based image retrieval system using k-means and KNN approach by feature extraction, ITCSCN, Dec-2015.

5. Mohammad Pasha, Mohd Umar Farooq & Khaleel-Ur-Rahman Khan, “A Proof-of-Concept model for Vehicular Cloud Computing using OMNet++ and SUMo” , Proceedings of the 3rd ICICSE-2015, India, Springer-Verlag Singapore, ISSN: 2194-5357, eBook ISBN: 978-981-10-0419-3, Series Volume-413.

6. Mohammad Pasha, Mohd Umar Farooq, Mahboob-ul-haq-Atif & Khaleel-Ur-Rahman Khan, “Vehicular Cloud Computing: leading towards tomorrows Internet of Vehicles”, Journal of Wireless Sensor Networks, JWSN2015,1,1-0006, ISSN: 2001-6417

7. Md. Afroze, Learning from imbalanced data of diverse strategies with investigation, IJARCSASE, 2015

WORKSHOP/CONFERENCE

PARTICIPATION

1. Following faculty members attended DAA workshop conducted on 25th-30th may 2015 by IIT Kharagpur

Ms. Maniza Hijab, Ms. Uma N Dulhare, Asia Sultana, Sayyada Hajera Begum, Riyazuddin, Azar Ali, Himayatullah sharief, Arif Hussain

Jubair Basha, Sarfaraz Ahmed, MdV Prasad, Asrar Ahmed, Munavvara Tahaseen, Ibrahim Khalilullah, Md Afroze

2. Following Faculty members attended Workshop on Technical Communication by IIT Bombay 30th Nov-5th Dec

Maniza Hijab, Farha Nausheen, Alefiah Mubeen, Afshan Kaleem, Fouzia Sayeedunnisa, G. Vani.

3. Md. Afroze and Munavvara Tahaseen attended MTA certification programme

4. Riyazuddin and Alefiah Mubeen attended 3-day national conference on Big Data Analytics and Cloud computing held on 29-31st December 2015 at Osmania University.

5. G. Vani attended a 3-day International Conference on Computer and Communication Technologies (IC3T-2015) conducted on 24th - 26th July 2015 at CMR Technical Campus, Kandlakoya, Medchal.

6. Shaik Rasool and Mohd Afroze attended a 2-day workshop faculty development program on Internet of Things and its applications conducted on 4th -5th December at Gokaraju Rangaraju Institute on engineering and technology, Bachupally, Hyderabad.

5. Menhitha Magani (2/4) secured second position in 100 MH Telangana Athletics Association conducted on 10th,11th Oct 2015

STUDENT ACHIEVEMENTS

1. Syed Abdul Kalam, Abdul sohail secured first position in Hackathon conducted on 1st November, 2015 which had student participation from over 12 colleges.
2. Mohammed Abdul Khaled, Ayyen uz Zehra secured second position in Hackathon conducted on 1st November, 2015 which had student participation from over 12 colleges.
3. Menhitha Magani (2/4) secured third position in 100 mts hurdles at inter college athletics championship conducted on 16th,17th nov 2015
4. Menhitha Magani (2/4) secured third position in triple jump at inter college athletics championship conducted on 16th,17th nov 2015



STUDENT ACTIVITIES

1. One week workshop on Soft skills

The Information Technology department, MJCET in collaboration with English department has conducted a one week short-term course on SOFT SKILLS during 24-29 August 2015. The resource persons were Dr Nirmala Nair, Dr Shabana Tahniyath, Mr. Sher Mohammed Khan, Ms. Gazala Anjum, Mr. Shouket Ahmed from the English department. As a key note speaker Dr. Nirmala Nair, Professor & Head, English department detailed about the soft skills.

All the resource persons were honored with the momentos and the appreciation certificates by the chief guest. About 70 students has actively participated in this short term course.



2. Hackathon

Hackathon, an inter-college competition is a programming event that requires the students to create a website or a web application as per the client's requirements, in a time span of 12 hours. CSI MJCET in collaboration with E-Cell MJCET and ACM MJCET conducted the event. The theme for this year's Hackathon was web development and the students were required to build a website or web application according to the client's requirement.

The event started with 40 teams at 9:00 am and witnessed around 12 hours of intense coding and continued till 9:00 pm. The teams from various other colleges like TKR College of Engineering and Technology, DRK Institute of Science and Technology, Sathyabama University, CMR College of Engineering and Technology, etc also showed equal enthusiasm to present their ideas. The participants were provided with lunch and donuts.

The students gave their best to meet the requirements and did an excellent job. Officials from Smart Loyal and Memilog along with some of the most experienced faculty of MJCET were called in to judge the participants.



3. Smart Infrest

Smart Infrest is a mega knowledge sharing symposium organized on 17th October 2015 by the ACM – MJCET under the guidance of association of consulting civil engineers. Its main focus was on the operations, design, construction and occupancy of a building. Its vision is to promote sustainable communities in the form of integrated construction reflecting the significance of high performance buildings.

4. Notebook Donation Campaign

"We make a living by what we get but we make a life by what we give"

With this very perspective in mind, the volunteers of IEEE Women in Engineering Affinity Group, MJCET conducted “Notebook Donation Campaign” for the students of Safdaria Girls High School on 28th Oct 2015. The students belonging to various branches of MJ College actively participated in the campaign and collected around 1400 long notebooks, 300 short notebooks stationery items. The school comprises of around 700 students.

The Head Mistress of the school Mrs. Safia Sultana received the IEEE MJCET team with great pleasure. The guest of honour for the event was Mr. Humayun Ali Mirza. After the distribution of notebooks, Rahil , Student Activity Head IEEE- MJCET had an interactive session with students.



ANNOUNCEMENTS

UPCOMING EVENTS

- Social Service Programs
- Guest lectures on latest trends
- Programming Languages workshop for Final years
- Technical Events
- Fun Events
- Mock Interviews
- Industry Institute Interaction Programs for academic subjects
- Competitive Mobile App development

CALL FOR ARTICLES

Call for articles for the next issue of INFOVOGUE Newsletter theme –Internet of things.

Interested students and faculties can submit the articles on this theme. The article should not exceed 300 words and relevant to the newsletter theme of the issue. The editorial committee will scrutinize and publish the high quality articles in the next issue.

EDITORIAL BOARD

Chief Editor

Maniza Hijab, Assoc. Professor & Head, ITD

Editorial Committee

Hajera Begum, Asst. Professor, ITD

Faheemuddin Rizwan(4/4 IT)

Mohd Azher (4/4 IT)

B.E I YEAR – ACADEMIC CALENDAR 2015-16

S. No.	Event / Activity	Scheduled Date
1	Commencement of Class work	03-08-2015
2	Manual submission of attendance up to 11-09-2015	16-09-2015
3	Display of attendance up to 11-09-2015 on the notice board	19-09-2015
4	Meeting / Counseling with Parents of students having less than 50% aggregate attendance	28-09-2015 to 03-10-2015
5	Class Test I	13-10-2015 to 17-10-2015
6	Display of attendance up to 17-10-2015 on notice board	23-10-2015
7	Distribution of Corrected Scripts of Class Test I and Online Entry of Class Test I Marks in the Assessment matrix and portal	26-10-2015 to 28-10-2015
8	Display of Internal Marks	30-10-2015
9	Issue of Progress Report	02-11-2015
10	Counseling with parents of Underperforming Students and having less than 65% of aggregate attendance up to 17-10-2015	09-11-2015 to 13-11-2015
11	Display of attendance up to 26-12-2015 on notice board	28-12-2015
12	Class Test II	28-12-2015 to 01-01-2016
13	Distribution of Corrected Scripts of Class Test II and Online Entry of Class Test II Marks in the Assessment matrix and portal	09-01-2016 to 12-01-2016
14	Display of Class Test II Marks	16-01-2016
15	Issue of Progress Report	19-01-2016
16	Counseling with parents of Underperforming Students and having less than 65% of aggregate attendance up to 26-12-2016	25-01-2016 to 30-01-2016
17	Feedback	08-02-2016 to 33-02-2016
18	Class Test III	07-03-2016 to 12-03-2016
19	Display of attendance up to 05-03-2016 and finalization of detention list	12-03-2016
20	Last Date of Instruction	12-03-2016
21	Online Entry of Class Test III Marks and Laboratory Marks in Assessment matrix and portal	14-03-2016 to 19-03-2016
22	Preparation and Practical Examination	14-03-2016 to 02-04-2016
23	Display of final internal marks	21-03-2016
24	Intimation of Errors and Discrepancies by students to HODs	23-03-2016
25	Commencement of Theory Examinations	04-04-2016

B.E. II, III and IV YEAR II Semester– ACADEMIC CALENDAR 2015-16

S. No.	Event / Activity	Scheduled Date
1	Commencement of Class work	04-01-2016
2	Meeting / Counseling with parents of students having less than 65% of aggregate attendance up to 30-01-2016	03-02-2016 to 06-02-2016
3	E week	20-02-2016 to 27-02-2016
4	Adsophos	22-02-2016 & 23-02-2016
5	Class Test I	03-03-2016 to 05-03-2016
6	Distribution of Corrected Scripts of Class Test I and Entry of Class Test I Marks in College Portal and Assessment Matrix	10-03-2016 to 14-03-2016
7	Display of Internal Marks and List of Students with Attendance less than 65% up to 12-03-2016	16-03-2016
8	Issue of Progress Report, Meeting / counseling with parents of students having less than 65% of aggregate attendance up to 12-03-2016 , and underperforming in Class Test I	21-03-2016 to 26-03-2016
9	Feedback	28-03-2016 to 02-04-2016
10	Display of List of Students with Attendance less than 65% up to 13-04-2016	16-04-2016
11	Class Test II	16-04-2016 to 19-04-2016
12	Meeting / counseling with parents of students having less than 65% of aggregate attendance up to 13-04-2016	20-04-2016 to 23-04-2016
13	Distribution of Corrected Scripts of Class Test II and Entry of marks in College Portal and Assessment Matrix	22-04-2016 to 26-04-16
14	Last Date of Instruction	23-04-2016
15	Display of detention list	23-04-2016
19	Commencement of Practical Examination	25-04-2016 to 07-05-2016
17	Display of Second Internal Assessment Marks, Final Attendance up to 23-04-2016 and Detention List	29-04-2016
18	Intimation of Errors and Discrepancies by Students to HODs	30-04-2016
19	Commencement of Theory Examinations	09-05-2016